BILL NO. S-80-12-15

SPECIAL ORDINANCE NO. S-166-80

AN ORDINANCE approving Change Order No. 11, in connection with the Contract #77-W-2.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT WAYNE, INDIANA:

SECTION 1. That Change Order No. 11 to Hagerman-Shambaugh Joint Bidders and Contractors, in connection with Contract #77-W-2 for water works improvements, for:

> installation of weather proof louver with proper exhaust and screen, piping equipment, solenoid valves, reconstruction of unions on new raw water chlorinators, new connectors to sludge pump, new manhole on storm sewer North of filter building, repair of roof on East face of tower and necessary electrical work for the installation of above items,

in the amount of $29.047.00, as set out in the specifications, which are on file in the Office of the Board of Public Works and are by reference incorporated herein and made a part hereof, be and the same is in all things ratified, confirmed and approved.

SECTION 2. That this Ordinance shall be effective from and after its passage and approval by the Mayor.

COUNCILMAN

APPROVED AS TO FORM AND LEGALITY DECEMBER 5, 1980.

CAROL A. ANGEL
Associate City Attorney

Read the first time in full and on motion by [illegible], seconded by Stier, and duly adopted, read the second time by title and referred to the Committee City Utilities (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at ~~the Council Chambers, City-County Building~~, Fort Wayne, Indiana, on [illegible], the [illegible] day of [illegible], 19____, at [illegible] o'clock ___M.,E.S.T.

DATE: 12-9-80

CHARLES W. WESTERMAN
CITY CLERK

Read the third ~~time~~ in full and on motion by Burns, seconded by Talarico, and duly adopted, placed on its passage. PASSED (~~LOST~~) by the following vote:

	AYES	NAYS	ABSTAINED	ABSENT	TO-WIT:
TOTAL VOTES	9	0			
BURNS	X				
EISBART	X				
GiaQUINTA	X				
NUCKOLS	X				
SCHMIDT, D.	X				
SCHMIDT, V.	X				
SCHOMBURG	X				
STIER	X				
TALARICO	X				

DATE: 12-23-80

CHARLES W. WESTERMAN - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (~~ZONING MAP~~) (GENERAL) (~~ANNEXATION~~) (SPECIAL) (~~APPROPRIATION~~) ORDINANCE (~~RESOLUTION~~) No. S-166-80

on the 23rd day of December, 19 80.

ATTEST: (SEAL)

CHARLES W. WESTERMAN - CITY CLERK

Virginia J. Schmidt
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 24th day of December, 19 80, at the hour of 10:00 o'clock A M.,E.S.T.

CHARLES W. WESTERMAN - CITY CLERK

Approved and signed by me this 29th day of December 19 80, at the hour of 11 o'clock A M.,E.S.T.

WINFIELD C. MOSES, JR.
MAYOR

BILL NO. S-80-12-15

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON CITY UTILITIES TO WHOM WAS REFERRED AN ORDINANCE approving Change Order No. 11, in connection with the Contract #77-W-2

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE DO PASS.

PAUL M. BURNS, CHAIRMAN

BEN EISBART, VICE CHAIRMAN

JOHN NUCKOLS

MARK GiaQUINTA

ROY SCHOMBURG

DATE 12/9/80

CONCURRED IN

CHARLES W. WESTERMAN, CITY CLERK

Memorandum

To Board of Public Works Date 11/25/80

From Philip R. Boller, Director of Water Resources

Subject Change Order No. 11 - 77-W-2

COPIES TO:

Glen Patrick

I recommend Board of Public Works approval for the attached Change Order No. 11 for the Water Works Improvements Filtration Plant Additions for Contract 77-W-2. Please see attached letter dated November 18, 1980 offering explanation regarding the change order. Please return signed copies of the Change Order to me for further distribution. Thank you.

P R Boller

McNamee, Porter and Seeley

3131 SOUTH STATE STREET · ANN ARBOR, MICHIGAN 48104 · (313) 665-6000

Consulting Engineers

ACTIVE PARTNERS
J.M. HOLLAND | D.H. HOLAND, JR. | R.W. FORCE
M.P. VAN ETEN | S.C. MARTINBEE | R.J. SMIT
R.H. BACHTEAL | R.F. BATZER | R.C. YOUNGS

RETIRED PARTNERS
R.L. McNAMEE | W.S. HERBERT | J.C. SEELEY

November 18, 1980

Mr. Philip R. Boller, P.E.
Director of Water Resources
City-County Building
One Main Street
Fort Wayne, IN 46801

RE: City of Fort Wayne, IN
Water Works Improvements
Filtration Plant Additions
Contract 77-W-2

Dear Mr. Boller:

We submit the following documentation concerning Change Order No. 11 to the above project. The Change Order has been accepted by the Contractor and copies are enclosed.

This Change Order is in response to Bulletin No. 10 which we issued to the Contractor on August 1, 1980. Clarification of the proposed changes was requested by the Contractor on August 8 and 18. We responded to their requests on August 12 and September 9, respectively. This Change Order also includes two credits offered by the Contractor dated August 25 and November 3, 1980.

Item 1

This change reduces the size of the ar intake louvers on the south side of the Filter Building Addition to allow the bottom of the louvers to be two feet above grade. The smaller size is also compatible with the dehumidification equipment furnished. The price in the Change Order is for labor and material. The Change Order includes the necessary wiring and control panel revisions.

Item 2

This item includes high pressure air purge to rotary air locks and plug diverter valves for the pneumatic conveying system. The manufacturer has recommended that air purge be provided to keep a continuous supply of clean air on the packing to minimize wear on the packing and leakage of pressure conveying air. This requirement was not known during the design of the project.

RECEIVED
NOV 21 1980
CITY UTILITIES

Item 3

This item includes a parallel chlorine gas line between the evaporators and chlorine feed machines, as requested by the Owner, and upgrading fittings on chlorine piping to Chlorine Institute Standards. We have reviewed the costs for these items and they are reasonable.

Item 4

This item includes additional sample points in Plant No. 1 as requested by the Owner. The proposed change allows sampling from both portions of the plant. The pricing for this is reasonable.

Item 5

This item includes a bearing seal water connection to a new sludge pump. This change is recommended by the manufacturer of the pump which was furnished.

Item 6

This item includes a pushbutton station and a selector switch for existing valves in Plant No. 2. It was assumed that these pushbutton stations were existing. They are required for proposed operating controls.

Item 7

This item is for a new manhole on an existing storm sewer. A manhole was shown to be existing at this location. A manhole with grating is required for surface drainage. We believe the pricing for this item to be high and propose directing the Contractor to do this work on a time and material basis with a maximum of $5,280, including markup.

Item 8

We requested a price from the Contractor for repair of the east face of the tower at Plant No. 1. The Contractor offered a price for just this work as well as alternate prices for repair of the entire roof at the tower and the area of the existing roof below the tower. We are recommending that the east face only be repaired.

Item 9

This item is a time and material price for sand blasting and tuck pointing of existing masonry on Plant No. 1. We recommend that an allowance of $5,000 be included in Change Order No. 11 for this work. Based on prices offered, approximately 750 square feet of area will be repaired.

Item 10

THis item includes a credit to the Contract of $3,500 for using existing valve cylinders. New cylinders were called for in the documents, however the manufacturer indicates that the existing cylinders may be used.

Item 11

This item accepts a credit of $475.00 for deleting edge bands on steel grating on the walkays of the new clarifier bridges. The grating is held in place by clips and deletion of the bands should not be detrimental.

The net change to the contract as a result of this Change Order No. 11 is an addition of $29,047.00. The revised contract amount is $14,883,470.65 which is 1.1 percent over the original contract.

If you require additional information, please feel free to contact us.

Very truly yours,

McNAMEE, PORTER AND SEELEY

By _____
John P. Oyer

cc: Glen Patrick
Tom Larder

JPO:jss

DISTRIBUTION:
City - 2
Contractor - 3 (1 info)
MP&S - 1
Res. Engr. - 2
Glen Patrick - 1 (info)
File - 1

McNAMEE, PORTER AND SEELEY
CONSULTING ENGINEERS
ANN ARBOR, MICHIGAN

CHANGE ORDER

OWNER:	City of Fort Wayne, IN		
CONTRACTOR:	Hagerman/Shambaugh, Joint Bidders 510 West Washington Blvd. Fort Wayne, IN 46853		
CONTRACT NO.:	77-W-2	**TITLE:**	Waterworks Improvements Filtration Plant Addtns.
EPA NO.	N/A		
CHANGE ORDER NO.:	11	**DATE:**	Nov. 10, 1980

To the Contractor named above:

Under the above contract and upon approval of the Owner we hereby direct you to furnish the necessary additional labor, material and equipment to:

1.	Bulletin #10, item l; Change HVAC - RECOMMENDED.	ADD,	$ 735.00
2.	Bulletin #10, item 2a & 2c; High pressure air purge and solenoid valves to rotary air locks - RECOMMENDED.	ADD,	$ 1,662.00
	Bulletin #10, item 2b; Electrical work required to work above - RECOMMENDED.	ADD,	$ 755.00
	MP&S letter dated Sept. 9, 1980, Item 1a and 1c; High pressure air purge and solenoids to plug diverter valves - RECOMMENDED.	ADD,	$ 3,455.00
	MP&S letter dated Sept. 9, 1980, Item 1b modifying CP-3 wiring for air purge solenoids: Central Electric $1,311.00 Shambaugh & Son, Inc. $ 844.00 RECOMMENDED	ADD,	$ 2,155.00
3.	Bulletin #10, item 3a & 3b; Chlorine piping revisions - RECOMMENDED.	ADD,	$ 2,716.00
4.	Bulletin #10, item 4; Add two sample points - RECOMMENDED.	ADD,	$ 1,961.00

G.B.P.
11/24/80

Fort Wayne, IN
Contract 77-W-2
Hagerman/Shambaugh
CHANGE ORDER NO. 11

5.	Bulletin #10, item 5a; Add bearing seal water connections - RECOMMENDED.	ADD,	$ 1,298.00
	Bulletin #10, item 5b; Change field control wiring at 480V, MCC-E(12) - RECOMMENDED.	ADD,	$ 294.00
6.	Bulletin #10, item 6; Add pushbutton stations - RECOMMENDED.	ADD,	$ 2,321.00
7.	Bulletin #10, item 7; Add new manhole on a time & material basis not to exceed $5,280.00 - RECOMMENDED.	ADD,	$ 5,280.00
8.	Bulletin #10, item 8; Repair existing roof on east side of tower of Softening Building Plant #1 - RECOMMENDED.	ADD,	$ 5,390.00
9.	Bulletin #10, item 9; Time and material as per Contractor's quotation of September 26, 1980 maximum allowance - RECOMMENDED.	ADD,	$ 5,000.00
10.	Shambaugh Letter of August 25, 1980 - Contractor to use existing valve cylinders for air service - RECOMMENDED.	DEDUCT,	$-3,500.00
11.	Shambaugh letter of Nov. 3, 1980 - to delete the banding on the grating provided on the clarifier bridges - RECOMMENDED.	DEDUCT,	$ -475.00
	NET CHANGE TO CONTRACT,	ADD,	$29,047.00

CURRENT CONTRACT AMOUNT	$ 14,854,423.65
This Change Order, ADD	$ 29,047.00
REVISED CONTRACT AMOUNT	$ 14,883,470.65

McNAMEE, PORTER AND SEELEY

By _____
John M. Holland

Fort Wayne, IN
Contract 77-W-2
Hagerman/Shambaugh
CHANGE ORDER NO. 11

ACCEPTED: DATE Nov. 12, 1980

CONTRACTOR: Hagerman/Shambaugh, Joint Bidders

BY: Mark T. Hagerman

RECOMMENDED: DATE Nov. 25, 1980

DIRECTOR OF WATER RESOURCES DIV. [signature]

APPROVED & ADOPTED DATE

BOARD OF PUBLIC WORKS

BY: _____
(Chairman)

_____

_____

ATTEST: _____
Clerk Board of Public Works

Hagerman Construction Corporation

GENERAL CONTRACTORS

Office: 510 West Washington Blvd.·Phone 219-424-1470
P. O. Box 10690
FORT WAYNE, INDIANA 46853

September 26, 1980

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Re: City of Fort Wayne, Indiana Water Works Improvements
Filtration Plant Addition, Bulletin #10

Gentlemen:

We quote this bulletin as follows:

Item 1	Shambaugh (See attached letter for all Shambaugh items.)		$ 635.00
		Masonry	100.00
		Total	$ 735.00
Item 2a, 2c	Shambaugh		$1,662.00
Item 2b	Central Electric	$ 686.00	
	Markup	69.00	
	Total		755.00
Item 3a & b	Shambaugh		$2,716.00
Item 4	Shambaugh		$1,961.00
Item 5a	Shambaugh		$1,298.00
Item 5b	Central Electric	$ 267.00	
	Markup	27.00	
	Total		$ 294.00
Item 6	Shambaugh	$1,905.00	
	Central Electric	378.00	
	Markup	38.00	
	Total		$2,321.00
Item #7	Add one new manhole Kreager - complete	$4,800.00	
	Markup	480.00	
	Total		$5,280.00

Item #8 Repair roof on east face of tower on Softening Building

Dahm	$ 4,450.00	
HCC	450.00	
Subtotal	$ 4,900.00	
Markup	490.00	
Total		$ 5,390.00

Note: No insulation included.

Alternate 8A Reroof whole tower roof, new wood, added insulation, new roofing tile, rehang gutters (new on east side only).

Dahm	$17,580.00	
HCC-carpentry	450.00	
Subtotal	$18,030.00	
Markup	1,803.00	
Total		$19,833.00

Alternate 8B-1-Reroof on flat roof below tower.
1 5/16" insulation
4 ply Parmaply roofing
Hot mop
Flashing at walls

Dahm	$ 4,898.00	
Markup	490.00	
Total		$ 5,388.00

Alternate 8B-2-Add to this, built-up roof Liquimat Coating (Tremco)

	$ 1,240.00	
Markup	124.00	
Total		$ 1,364.00

Alternate 8B-3-Add aluminum coating.

Dahm	$ 850.00	
Markup	85.00	
		$ 935.00
Total Add for all of Alt. B		$ 7,687.00

Item #9 Time and material items for tower repair.

a. Sandblasting stonework (high area) - 0.98/s.f.
b. Waterproof sandblasted stonework - 0.20/s.f.
c. Spot painting of bad areas - 2.88/s.f.
d. Grind all joints & tuckpoint - 2.60/s.f.

Note: Minimum price for set up and one days work is $555.00.

Additional costs per MPS letter dated August 12, 1980 and/or September 1, 1980.

Item 1a, 1c	Shambaugh		$3,455.00
Item 3	Central Electric		
	(10 plug diverter valves)	$1,192.00	
	Markup	119.00	
	Total		$1,311.00
			844.00
			2155.00

Very truly yours,

HAGERMAN CONSTRUCTION COMPANY

Ralph E. Turner

Ralph Turner

RT/np

enc.

Shambaugh & Son INC.
MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER
137 Chamberlain Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

September 26, 1980

Hagerman Construction Corporation
510 West Washington Boulevard
Fort Wayne, Indiana 46853

Attention: Ralph Turner

Reference: Ft. Wayne, Indiana Water Works Imprv., Filtration Plant Additions
Our Job #6272, "Bulletin #10" Revision #1, September 25, 1980

Dear Mr. Turner:

Enclosed is our costs for Bulletin #10 and description noted in McNamee, Porter & Seeleys' letters of August 1, 1980 and September 9, 1980.

(A) Work as described below for McNamee, Porter & Seeleys' letter of August 1, 1980.

1.) Item 1 - Change Louver size,

Material	Labor	Mark Up	Total
$600.00	-0-	$35.00	$635.00

Note: Concrete and masonary work not included. No credit can be given for old louvers.

2.) Item 2a and 2c - Add piping, solenoid valve, air set for purge air to both ends of shaft on rotary air locks RAL-3 and RAL-11.

Material	Labor	Mark Up	Total
$438.00	$856.00	$368.00	$1,662.00

3.) Item 3A and 3B - Revise Chlorine piping and replace ground joint unions for balance of construction of Chlorine system.

Material	Labor	Mark Up	Total
$521.00	$1537.00	$658.00	$2,716.00

4.) Item 4 - Add sample points and piping per revised drawings M-39 and M-55.

Material	Labor	Mark Up	Total
$531.00	$1002.00	$428.00	$1,961.00

5.) Item 5a - Add one each of the following for seal water for sludge pump #11; ½" pressure reducing valve, ½" gate valve, ½" globe valve, ½" wye strainer, ½" solenoid valve, ½" globe valve, and necessary piping.

Material	Labor	Mark Up	Total
$357.00	$659.00	$282.00	$1,298.00

Note: See attached sketch 10-5A for Item 5A.

6.) Item 6 - Shambaugh will furnish (2) pushbutton stations for installation by others for valve Item B-3.

Material	Labor	Mark Up	Total
$1732.00	-0-	$173.00	$1,905.00

7.) Item 1a and 1c - of McNamee, Porter & Seeleys' letter dated September 1, 1980 and revised drawings M-47 and M-54. Change air header size as noted and add purge air piping and ½" solenoid to the 10 plug diverter valves. All field wiring by others.

Material	Labor	Mark Up	Total
$1292.00	$1538.00	$658.00	$3,488.00
Less ½" pipe & fittings			$ (33.00)
			$3,455.00

8.) Item 1b - Panel CP-3 revisions. This work to be done by Technical Controls Inc. Only internal panel wiring is included.

Material	Labor	Mark Up	Total
$88.00	$680.00	$76.00	$844.00

Note to Hagerman: All field wiring and painting for above work is to be done by others and is not included. Only wiring we are quoting is the internal wiring for panel CP-3. Concrete and masonry work to decrease wall opening for Item #1 is not included. Please advise should you have any questions.

Time Extension: For all of the above work items, Shambaugh request (15) additional work days. Total costs for Bulletin #10, our (8) work Items is $14,476.00

Very truly yours,

SHAMBAUGH & SON, INC.

Ronald Hoke
Project Manager

RH:mp

cc: John Oyer/McNamee, Porter & Seeley/Ann Arbor, MI
Duane Cryer/Shambaugh/Jobsite
James F. Harvey/Shambaugh/FT. Wayne, IN/File

McNAMEE, PORTER AND SEELEY
CONSULTING ENGINEERS
ANN ARBOR, MICHIGAN

TO: Hagerman-Shambaugh, Joint Bidders
510 West Washington Blvd.
Fort Wayne, IN 46853

DATE: August 1, 1980

ATTENTION: Ralph E. Turner
Ronald Hoke

PROJECT: City of Fort Wayne, IN
Water Works Improvements
Filtration Plant Additions
Contract 77-W-2

BULLETIN NO 10

INTENT: This is not a change order. This is a request to the Contractor for a detailed price breakdown of proposed changes in the work.

PROPOSED CHANGES:

1. Change HVAC Equipment List Page 44-40 to read as follows:

MARK	LOCATION	QUANTITY	DESCRIPTION
#15	Exterior Wall	2	Weather proof louver, fixed, 36" x 24", 4000 cfm. One intake, one exhaust, with bird and insect screen. Aerolite or equal, mounted in concrete wall two feet above grade.

2a. Add high pressure air piping and equipment to rotary air locks. RAL-3 and RAL-11, which are located under Filter Receivers #1 and #2, according to details shown on Supplemental Plumbing Drawing SM-3, issued with this bulletin No. 10.

2b. Add electrical work required for above. Refer to 480 Volt motor circuits MCC-B(8) and MCC-B(22) and change field control wiring from 3#14 to 6#14. Connect solenoid valves using specified spare auxillary contact in the motor starter.

2c. Provide two direct acting solenoid valves with watertight enclosures and 120V coils conforming to that under Section 44, Plumbing.

3. CHLORINE PIPING REVISIONS

a. Revise 1" Chlorine Gas Piping in chlorine room according to schematic on Contract drawing M-43.

b. Replace nine (9) ground joint steel unions with flanged unions at new Raw Water Chlorinators.

Use flanged unions for the balance of construction of the chlorine system.

4. Add two (2) sample points at Sample Pump No. 3 and two (2) sample points at Sample Pump No. 6 according to Contract drawings M-39 and M-55.

   Suction points at Pump No. 3 are for primary clarifier effluent.

   Suction points at Pump No. 6 are for recarbonation tanks.

5a. Add bearing seal water connection to sludge pump no. 11 per details shown on Plumbing Standard Detail Sheet No. M-68.

 b. Refer to 480 volt motor circuit MCC-E(12) and change field control wiring from 8#14 to 10#14. Connect solenoid valve using specified spare auxillary contact in the motor starter.

6. Add local wall mounted watertight pushbutton station and selector switch in basement of the existing softening building for valve B-3. Install 0.75-inch conduit and control wires as required between the control station and the valve operator.

7. Add one new manhole on the existing 12-inch storm sewer north of the filter building and between secondary settling tanks of Plant Nos. 1 and 2. The manhole location is shown on Sheet G-3 as an existing manhole. Provide flat grate cover.

8. Repair existing roof on east face of tower on existing Softening Building (Plant No. 1) as detailed on supplemental drawing SA-2 issued with this bulletin no. 10.

9. Quote time and material unit prices for sand blasting (per square feet) and tuck painting (per quantity, lb., bag, etc.) of the existing tower at the Softening Building.

REASON FOR CHANGES:

1. To provide two feet of clearance above grade which will keep out snow and dirt.

2. To provide air purge on the packing of the two rotary air locks per manufacturer's recommendations.

3a. Owner requested second header to allow for isolation availability.

3b. To meet the Chlorine Institute Specifications and allow for tighter seal.

4. To provide sample points at both East and West portions of flow of effluent.

5. To prevent pumped liquid from entering the pump column assembly.

6. For flexibility to operate valve B-3 from it's local position for maintenance and servicing.

7. Manhole shown on the drawings as existing. Manhole with flat grate required for storm water runoff collection.

8. East face of the roof has deteriorated to the point where repairs are required.

9. This portion of masonry has not been cleaned and repaired. Time and material prices are requested so that a budget amount for this item can be established.

BULLETIN NO: 10 CONTRACT NO: 77-W-2 DATE: August 1, 1980

It is requested that the spaces provided for the change in contract amount, signature and date be filled in and 2 copies returned to this office. A quotation, showing the Bulletin Number and the detailed cost setting forth the breakdown of labor, material and markup, is to be attached to each copy of the Bulletin, showing the addition, credit or no charge for each item.

Will the work covered by this Bulletin require an extension of the contract completion date? _____ How many calendar days?_____

McNAMEE, PORTER AND SEELEY

By A D Katz /LPO
A. D. Katz

Change in Contract Amount

Net Contract Change_____

$(_____)

By_____

Date_____

DISTRIBUTION:
Contractor - 2
Phillip Boller - 1
Glen Patrick - 1
Don Foland - 1
Tom Larder - 1
Bud Katz - 1
Shop drawing file - 1

Enclosures: Revised Drawings: M-39, M-43, M-55
Supplemental Drawings: SM-3, SA-2 (8½ x 11)
Sprout Waldron Drawing A-594-028 (8½ x 11)

McNamee, Porter and Seeley

3131 SOUTH STATE STREET · ANN ARBOR, MICHIGAN 48104 · (313) 665-6000

Consulting Engineers

ACTIVE PARTNERS
J.N. HOLLAND D.R. HOLLAND, JR R.W. FORCE
H.B. VAN ETEN S.C. MATTHEWS R.J. SMIT
R.H. BACHTELL R.F. BATZER R.C. YOUNGS

RETIRED PARTNERS
R.L. McNAMEE W.S. MCKECHNEY J.C. SEELEY

August 12, 1980

Hagerman/Shambaugh, Joint Bidders
510 W. Washington Blvd.
P.O. Box 10690
Fort Wayne, Indiana 46853

Attn: Ralph Turner
Ronald Hoke

Re: City of Fort Wayne, Indiana
Water Works Improvements
Filtration Plant Additions
Contract 77-W-2

Gentlemen:

This is in response to Shambaugh & Son, Inc. letter dated August 8, 1980 concerning Bulletin 10.

Item 1

Include a pressure reducing station for the pump seal water connection. Item 2b of the bulletin described the electrical work required.

Item 2

We felt the relocation of the lime/soda ash air intake was a trade-off.

Item 3

Please include in your quotation, air purge with solenoids and wiring for the 10 plug diverter valves. Sprout-Waldron sketch indicates pressure regulator and gage are supplied on all diverter valves.

Very truly yours,

McNAMEE, PORTER AND SEELEY

BY /JPO
John P. Oyer

JPO:dr
cc: Tom Larder

Shambaugh & Son INC.
MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER
137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

RECEIVED
AUG 11 1980
McNAMEE, PORTER & SEELEY

August 8, 1980

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Attention: John Oyer

Reference: Ft. Wayne, Indiana Water Works Imprv., Filtration Plant Additions
"Bulletin #10"

Dear Mr. Oyer:

1. Re: Item 5A - Please verify if we are to use "sealing water connection" I have marked Item 5A. However, I don't see where you added wiring for solenoid valve under electrical work for this item. Isn't service water line about 60 psi, so won't a water pressure reducing valve be required to reduce pressure to 10-15 psi?

2. On revised pneumatic conveying drawings you sent showing relocation of L/SA air intake filter, do you want us to quote this work? Should sleeve at elev. 773.33 be capped, please advise.

3. See enclosed sketch 79-L1965-12 received for Sprout Waldron which indicates all the plug diverter valves (10 total) also should have purge air. Please advise if you want this also included in Bulletin #10, and if solenoid valves and wiring for them is to be added to the contract. Please reply by phone immediately.

Very truly yours,

SHAMBAUGH & SON, INC.

Ronald Hoke

Ronald Hoke
Project Manager

RH:mk

cc: Tom Larder/McNamee, Porter & Seeley/Ft. Wayne, IN/with enclosure
Ralph Turner/Hagerman Construction/Ft. Wayne, IN
Duane Cryer/Shambaugh/Jobsite
James Harvey/Shambaugh/Ft. Wayne, IN/File

McNamee, Porter and Seeley

3131 SOUTH STATE STREET · ANN ARBOR, MICHIGAN 48104 · (313) 665-6000

Consulting Engineers

September 9, 1980

Hagerman/Shambaugh, Joint Bidders
510 W. Washington Blvd.
P.O. Box 10690
Fort Wayne, Indiana 46801

Attn: Ralph Turner
Ronald Hoke

Re: City of Fort Wayne, Indiana
Water Works Improvements
Filtration Plant Additions
Contract 77-W-2

Gentlemen:

This is in response to your letter of August 18, 1980 concerning Bulletin No. 10.

1a) Sheets M-45 and M-54 are revised to reflect changes in the high pressure air header to 1" and to show new solenoid valves for air surge of the plug-diverter valves. Solenoids should be 1/2"-two way per specification section 44.

1b) Modify CP-3 per attached sketch showing control wiring for air purge solenoids.

1c) Air header changed to 1 inch diameter.

1d) Delete solenoid valves SV-311 and SV-315. Leave wire and conduit for spare.

2. Solenoids for air purge to RAL 3 and RAL 11 should be 1/2 inch diameter.

Very truly yours,

McNAMEE, PORTER AND SEELEY

BY JPO
John P. Oyer

JPO:dr
cc: Tom Larder.

Shambaugh & Son INC.

MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER

137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

August 18, 1980

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Attention: John Oyer

Reference: Ft. Wayne, Indiana Water Works Imprv., Filtration Plant Additions
Shambaugh Job #6272, "Bulletin #10"

Dear Mr. Oyer:

We thank you for your letter dated August 12, 1980, however, I feel more information is needed until ours or the electrician's quote can be finalized. We request the following information and drawing revisions:

1. Drawing revisions please revise contract drawings M-45, and M-54 showing required purge air.

   (a) Please give line sizes and size of solenoid valves required for purge air.

   (b) For above give necessary control schematic how solenoids should be wired and how activated.

   (c) In talking to Sprout-Waldron, we feel ½" air main should be increased to 1", however, final line size should be determined by McNamee, Porter & Seeley. Please refer to sheet M-47. Sprout-Waldron stated adequate air to bag shakers was critical.

   (d) In reviewing I-5, I noticed solenoid valve SV-111 and SV-115 going to a solenoid operated vacuum breaker valve. To my knowledge, none is called for in conveying schedule or would be required. There are manual vacuum relief valves furnished on all the vacuum blowers.

2. Re: Air purging to rotary air locks RAL-3 and RAL-11 what size is solenoid valve to be?

We would appreciate your prompt reply and revised drawings or schematic so this

bulletin may be finalized.

Very truly yours,

SHAMBAUGH & SON, INC.

Ronald Hoke

Ronald Hoke
Project Manager

RH:mk

cc: Duane Cryer/Shambaugh/Jobsite
Hagerman Construction/Ft. Wayne, IN
Kermit Jones/Central Electric/Ft. Wayne, IN
Tom Larder/McNamee, Porter & Seeley/Ft. Wayne, IN

Shambaugh & Son INC.
MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER
137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

Dec 19

August 25, 1980

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Attention: John Oyer

Reference: Ft. Wayne, Indiana Water Works Imprv., Filtration Plant Additions
Shambaugh Job #6272, "Spec. Item 19, Change Request #29

Dear Mr. Oyer:

This is to advise we have checked with the Henry Pratt Co. relative to the cylinders for valve item A-4 being used on air service since these valves have never been installed yet.

See enclosed memo from Henry Pratt Co. where they state the cylinders may be used on air as well as water service.

For not replacing these cylinders, we offer the owner a credit $350.00 a valve, for a total credit of $3,500.00.

Please check with owner and advise in writing by September 3, 1980 if the owner wants to accept this credit offered. The other required valve accessories for item A-4 will still be furnished.

Very truly yours,

SHAMBAUGH & SON, INC.

Ronald Hoke

Ronald Hoke
Project Manager

RH:mk

cc: Duane Cryer/Shambaugh/Jobsite
Tom Larder/McNamee, Porter & Seeley/Ft. Wayne, IN
James Harvey/Shambaugh/Ft. Wayne, IN/File

PRATT INTER-OFFICE CORRESPONDENCE

DATE August 30, 1979

FROM Keith Lehn

TO Bill Erber ~~TO DWIGHT THOMPSON~~

SUBJECT F-6179-1,2,3
Shambaugh & Sons/H.P. Thompson

Bill,

Per your request, the following Instruction Manual information is attached:

3"-24" Rubber Seat Butterfly Valve

Model 2FII - Butterfly Valve

MDT-3 Operator - Cylinder Operation

MDT-4 Operator - Cylinder Operation

B-25309 AWWA Cyl for MDT Operators

~~The cylinders may be used on air service as well as water service.~~

I believe the above and the attached supplies all the requested information.

Keith J. Lehn

KJL/kad
Attachments

APPLICATION ENGRG.
AUG 3 1 1979

cc: JOB, TOM. LARDER, ~~JOHN BYERS~~ 8/25/80

Shambaugh & Son INC.
MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER
137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

November 3, 1980

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Attention: John Oyer

Reference: Ft. Wayne, Indiana Water Works Imprv., Filtration Plant Additions
Shambaugh Job #6272-X1, C.R. #38

Dear Mr. Oyer:

This is to confirm my phone conversation with you advising you we can offer you a credit of $475.00 for the deletion of the banding on the grating provided on the clarifier bridges as supplied by Walker Process Corporation.

We would appreciate your verbal approval within the next few days if the above is acceptable.

Very truly yours,

SHAMBAUGH & SON, INC.

Ronald Hoke
Project Manager

RH:mp

cc: Duane Cryer/Shambaugh/Jobsite
Tom Larder/McNamee, Porter & Seeley/Ft. Wayne, IN
James Harvey/Shambaugh/Ft. Wayne, IN/File

DISTRIBUTION:
City - 2
Contractor - 3 (1 info)
MP&S - 1
Res. Engr. - 2
Glen Patrick - 1 (info)
File - 1

McNAMEE, PORTER AND SEELEY
CONSULTING ENGINEERS
ANN ARBOR, MICHIGAN

CHANGE ORDER

OWNER:	City of Fort Wayne, IN		
CONTRACTOR:	Hagerman/Shambaugh, Joint Bidders 510 West Washington Blvd. Fort Wayne, IN 46853		
CONTRACT NO.:	77-W-2	**TITLE:**	Waterworks Improvements Filtration Plant Addtns.
EPA NO.	N/A		
CHANGE ORDER NO.:	11	**DATE:**	Nov. 10, 1980

To the Contractor named above:

Under the above contract and upon approval of the Owner we hereby direct you to furnish the necessary additional labor, material and equipment to:

1.	Bulletin #10, item 1; Change HVAC - RECOMMENDED.	ADD,	$ 735.00
2.	Bulletin #10, item 2a & 2c; High pressure air purge and solenoid valves to rotary air locks - RECOMMENDED.	ADD,	$ 1,662.00
	Bulletin #10, item 2b; Electrical work required to work above - RECOMMENDED.	ADD,	$ 755.00
	MP&S letter dated Sept. 9, 1980, Item 1a and 1c; High pressure air purge and solenoids to plug diverter valves - RECOMMENDED.	ADD,	$ 3,455.00
	MP&S letter dated Sept. 9, 1980, Item 1b modifying CP-3 wiring for air purge solenoids: Central Electric $1,311.00 Shambaugh & Son, Inc. $ 844.00 RECOMMENDED	ADD,	$ 2,155.00
3.	Bulletin #10, item 3a & 3b; Chlorine piping revisions - RECOMMENDED.	ADD,	$ 2,716.00
4.	Bulletin #10, item 4; Add two sample points - RECOMMENDED.	ADD,	$ 1,961.00

9.G.B.
11/24/80

5.	Bulletin #10, item 5a; Add bearing seal water connections - RECOMMENDED.	ADD,	$ 1,298.00
	Bulletin #10, item 5b; Change field control wiring at 480V, MCC-E(12) - RECOMMENDED.	ADD,	$ 294.00
6.	Bulletin #10, item 6; Add pushbutton stations - RECOMMENDED.	ADD,	$ 2,321.00
7.	Bulletin #10, item 7; Add new manhole on a time & material basis not to exceed $5,280.00 - RECOMMENDED.	ADD,	$ 5,280.00
8.	Bulletin #10, item 8; Repair existing roof on east side of tower of Softening Building Plant #1 - RECOMMENDED.	ADD,	$ 5,390.00
9.	Bulletin #10, item 9; Time and material as per Contractor's quotation of September 26, 1980 maximum allowance - RECOMMENDED.	ADD,	$ 5,000.00
10.	Shambaugh Letter of August 25, 1980 - Contractor to use existing valve cylinders for air service - RECOMMENDED.	DEDUCT,	$-3,500.00
11.	Shambaugh letter of Nov. 3, 1980 - to delete the banding on the grating provided on the clarifier bridges - RECOMMENDED.	DEDUCT,	$ -475.00
	NET CHANGE TO CONTRACT,	ADD,	$29,047.00

CURRENT CONTRACT AMOUNT	$ 14,854,423.65
This Change Order, ADD	$ 29,047.00
REVISED CONTRACT AMOUNT	$ 14,883,470.65

McNAMEE, PORTER AND SEELEY

By _____
John M. Holland

Fort Wayne, IN
Contract 77-W-2
Hagerman/Shambaugh
CHANGE ORDER NO. 11

ACCEPTED: DATE Nov. 12, 1980 CONTRACTOR: Hagerman/Shambaugh, Joint Bidders

BY: Mark L. Hagerman

RECOMMENDED: DATE Nov. 25, 1980 DIRECTOR OF WATER RESOURCES DIV. [signature]

APPROVED & ADOPTED DATE BOARD OF PUBLIC WORKS

BY: _____
(Chairman)

ATTEST: _____
Clerk Board of Public Works

Hagerman Construction Corporation

GENERAL CONTRACTORS

Office: 510 West Washington Blvd. • Phone 219-424-1470
P. O. Box 10690
FORT WAYNE, INDIANA 46853

September 26, 1980

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Re: City of Fort Wayne, Indiana Water Works Improvements
Filtration Plant Addition, Bulletin #10

Gentlemen:

We quote this bulletin as follows:

Item 1	Shambaugh (See attached letter for all Shambaugh items.)		$ 635.00
		Masonry	100.00
		Total	$ 735.00
Item 2a, 2c	Shambaugh		$1,662.00
Item 2b	Central Electric	$ 686.00	
	Markup	69.00	
	Total		755.00
Item 3a & b	Shambaugh		$2,716.00
Item 4	Shambaugh		$1,961.00
Item 5a	Shambaugh		$1,298.00
Item 5b	Central Electric	$ 267.00	
	Markup	27.00	
	Total		$ 294.00
Item 6	Shambaugh	$1,905.00	
	Central Electric	378.00	
	Markup	38.00	
	Total		$2,321.00
Item #7	Add one new manhole		
	Kreager - complete	$4,800.00	
	Markup	480.00	
	Total		$5,280.00

Item #8 Repair roof on east face of tower on Softening Building

Dahm	$ 4,450.00	
HCC	450.00	
Subtotal	$ 4,900.00	
Markup	490.00	
Total		$ 5,390.00

Note: No insulation included.

Alternate 8A Reroof whole tower roof, new wood, added insulation, new roofing tile, rehang gutters (new on east side only).

Dahm	$17,580.00	
HCC-carpentry	450.00	
Subtotal	$18,030.00	
Markup	1,803.00	
Total		$19,833.00

Alternate 8B-1-Reroof on flat roof below tower.
1 5/16" insulation
4 ply Permaply roofing
Hot mop
Flashing at walls

Dahm	$ 4,898.00	
Markup	490.00	
Total		$ 5,388.00

Alternate 8B-2-Add to this, built-up roof Liquimat Coating (Tremco)

	$ 1,240.00	
Markup	124.00	
Total		$ 1,364.00

Alternate 8B-3-Add aluminum coating.

Dahm	$ 850.00	
Markup	85.00	
		$ 935.00

Total Add for all of Alt. B $ 7,687.00

Item #9 Time and material items for tower repair.
a. Sandblasting stonework (high area) - 0.98/s.f.
b. Waterproof sandblasted stonework - 0.20/s.f.
c. Spot painting of bad areas - 2.88/s.f.
d. Grind all joints & tuckpoint - 2.60/s.f.

Note: Minimum price for set up and one days work is $555.00.

Additional costs per NPS letter dated August 12, 1980 and/or September 1, 1980.

Item 1a, 1c	Shambaugh		$3,455.00
Item 3	Central Electric		
	(10 plug diverter valves)	$1,192.00	
	Markup	119.00	
	Total		$1,311.00
			844.00
			2155.00

Very truly yours,

HAGERMAN CONSTRUCTION COMPANY

Ralph E. Turner

Ralph Turner

RT/np

enc.

Shambaugh & Son INC.
MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER
137 Chamberlain Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

September 26, 1980

Hagerman Construction Corporation
510 West Washington Boulevard
Fort Wayne, Indiana 46853

Attention: Ralph Turner

Reference: Ft. Wayne, Indiana Water Works Imprv., Filtration Plant Additions
Our Job #6272, "Bulletin #10" Revision #1, September 25, 1980

Dear Mr. Turner:

Enclosed is our costs for Bulletin #10 and description noted in McNamee, Porter & Seeleys' letters of August 1, 1980 and September 9, 1980.

(A) Work as described below for McNamee, Porter & Seeleys' letter of August 1, 1980.

1.) Item 1 - Change Louver size,

Material	Labor	Mark Up	Total
$600.00	-0-	$35.00	$635.00

Note: Concrete and masonary work not included. No credit can be given for old louvers.

2.) Item 2a and 2c - Add piping, solenoid valve, air set for purge air to both ends of shaft on rotary air locks RAL-3 and RAL-11.

Material	Labor	Mark Up	Total
$438.00	$856.00	$368.00	$1,662.00

3.) Item 3A and 3B - Revise Chlorine piping and replace ground joint unions for balance of construction of Chlorine system.

Material	Labor	Mark Up	Total
$521.00	$1537.00	$658.00	$2,716.00

4.) Item 4 - Add sample points and piping per revised drawings M-39 and M-55.

Material	Labor	Mark Up	Total
$531.00	$1002.00	$428.00	$1,961.00

5.) Item 5a - Add one each of the following for seal water for sludge pump #11; ½" pressure reducing valve, ½" gate valve, ½" globe valve, ½" wye strainer, ½" solenoid valve, ½" globe valve, and necessary piping.

Material	Labor	Mark Up	Total
$357.00	$659.00	$282.00	$1,298.00

Note: See attached sketch 10-5A for Item 5A.

6.) Item 6 - Shambaugh will furnish (2) pushbutton stations for installation by others for valve Item B-3.

Material	Labor	Mark Up	Total
$1732.00	-0-	$173.00	$1,905.00

7.) Item 1a and 1c - of McNamee, Porter & Seeleys' letter dated September 1, 1980 and revised drawings M-47 and M-54. Change air header size as noted and add purge air piping and ½" solenoid to the 10 plug diverter valves. All field wiring by others.

Material	Labor	Mark Up	Total
$1292.00	$1538.00	$658.00	$3,488.00
Less ½" pipe & fittings			$ (33.00)
			$3,455.00

8.) Item 1b - Panel CP-3 revisions. This work to be done by Technical Controls Inc. Only internal panel wiring is included.

Material	Labor	Mark Up	Total
$88.00	$680.00	$76.00	$844.00

Note to Hagerman: All field wiring and painting for above work is to be done by others and is not included. Only wiring we are quoting is the internal wiring for panel CP-3. Concrete and masonry work to decrease wall opening for Item #1 is not included. Please advise should you have any questions.

Time Extension: For all of the above work items, Shambaugh request (15) additional work days. Total costs for Bulletin #10, our (8) work Items is $14,476.00

Very truly yours,

SHAMBAUGH & SON, INC.

Ronald Hoke
Project Manager

RH:mp

cc: John Oyer/McNamee, Porter & Seeley/Ann Arbor, MI
Duane Cryer/Shambaugh/Jobsite
James F. Harvey/Shambaugh/FT. Wayne, IN/File

McNAMEE, PORTER AND SEELEY
CONSULTING ENGINEERS
ANN ARBOR, MICHIGAN

TO: Hagerman-Shambaugh, Joint Bidders
510 West Washington Blvd.
Fort Wayne, IN 46853

DATE: August 1, 1980

ATTENTION: Ralph E. Turner
Ronald Hoke

PROJECT: City of Fort Wayne, IN
Water Works Improvements
Filtration Plant Additions
Contract 77-W-2

BULLETIN NO 10

INTENT: This is not a change order. This is a request to the Contractor for a detailed price breakdown of proposed changes in the work.

PROPOSED CHANGES:

1. Change HVAC Equipment List Page 44-40 to read as follows:

MARK	LOCATION	QUANTITY	DESCRIPTION
#15	Exterior Wall	2	Weather proof louver, fixed, 36" x 24", 4000 cfm. One intake, one exhaust, with bird and insect screen. Aerolite or equal, mounted in concrete wall two feet above grade.

2a. Add high pressure air piping and equipment to rotary air locks. RAL-3 and RAL-11, which are located under Filter Receivers #1 and #2, according to details shown on Supplemental Plumbing Drawing SM-3, issued with this bulletin No. 10.

2b. Add electrical work required for above. Refer to 480 Volt motor circuits MCC-B(8) and MCC-B(22) and change field control wiring from 3#14 to 6#14. Connect solenoid valves using specified spare auxillary contact in the motor starter.

2c. Provide two direct acting solenoid valves with watertight enclosures and 120V coils conforming to that under Section 44, Plumbing.

3. CHLORINE PIPING REVISIONS

a. Revise 1" Chlorine Gas Piping in chlorine room according to schematic on Contract drawing M-43.

b. Replace nine (9) ground joint steel unions with flanged unions at new Raw Water Chlorinators.

Use flanged unions for the balance of construction of the chlorine system.

4. Add two (2) sample points at Sample Pump No. 3 and two (2) sample points at Sample Pump No. 6 according to Contract drawings M-39 and M-55.

   Suction points at Pump No. 3 are for primary clarifier effluent.

   Suction points at Pump No. 6 are for recarbonation tanks.

5a. Add bearing seal water connection to sludge pump no. 11 per details shown on Plumbing Standard Detail Sheet No. M-68.

 b. Refer to 480 volt motor circuit MCC-E(12) and change field control wiring from 8#14 to 10#14. Connect solenoid valve using specified spare auxillary contact in the motor starter.

6. Add local wall mounted watertight pushbutton station and selector switch in basement of the existing softening building for valve B-3. Install 0.75-inch conduit and control wires as required between the control station and the valve operator.

7. Add one new manhole on the existing 12-inch storm sewer north of the filter building and between secondary settling tanks of Plant Nos. 1 and 2. The manhole location is shown on Sheet G-3 as an existing manhole. Provide flat grate cover.

8. Repair existing roof on east face of tower on existing Softening Building (Plant No. 1) as detailed on supplemental drawing SA-2 issued with this bulletin no. 10.

9. Quote time and material unit prices for sand blasting (per square feet) and tuck painting (per quantity, lb,, bag, etc.) of the existing tower at the Softening Building.

REASON FOR CHANGES:

1. To provide two feet of clearance above grade which will keep out snow and dirt.

2. To provide air purge on the packing of the two rotary air locks per manufacturer's recommendations.

3a. Owner requested second header to allow for isolation availability.

3b. To meet the Chlorine Institute Specifications and allow for tighter seal.

4. To provide sample points at both East and West portions of flow of effluent.

5. To prevent pumped liquid from entering the pump column assembly.

6. For flexibility to operate valve B-3 from it's local position for maintenance and servicing.

7. Manhole shown on the drawings as existing. Manhole with flat grate required for storm water runoff collection.

8. East face of the roof has deteriorated to the point where repairs are required.

9. This portion of masonry has not been cleaned and repaired. Time and material prices are requested so that a budget amount for this item can be established.

BULLETIN NO: 10 CONTRACT NO: 77-W-2 DATE: August 1, 1980

It is requested that the spaces provided for the change in contract amount, signature and date be filled in and 2 copies returned to this office. A quotation, showing the Bulletin Number and the detailed cost setting forth the breakdown of labor, material and markup, is to be attached to each copy of the Bulletin, showing the addition, credit or no charge for each item.

Will the work covered by this Bulletin require an extension of the contract completion date? _____ How many calendar days?_____

McNAMEE, PORTER AND SEELEY

By A D Katz /LPO
A. D. Katz

Change in Contract Amount

Net Contract Change_____

$(_____)

By_____

Date_____

DISTRIBUTION:
Contractor - 2
Phillip Boller - 1
Glen Patrick - 1
Don Foland - 1
Tom Larder - 1
Bud Katz - 1
Shop drawing file - 1

Enclosures: Revised Drawings: M-39, M-43, M-55
Supplemental Drawings: SM-3, SA-2 (8½ x 11)
Sprout Waldron Drawing A-594-028 (8½ x 11)

McNamee, Porter and Seeley

3131 SOUTH STATE STREET · ANN ARBOR, MICHIGAN 48104 · (313) 665-6000

Consulting Engineers

ACTIVE PARTNERS
J.H. HOLLAND D.H. HOLAND, JR. R.W. FORCE
H.R. VAN ETCK S.C. MARTIAGEE R.J. SMIT
P.H. BACHTEAL R.F. BATZER P.C. YOUNGS

RETIRED PARTNERS
R.L. McNAMEE W.S. HERBERT J.C. SEELEY

August 12, 1980

Hagerman/Shambaugh, Joint Bidders
510 W. Washington Blvd.
P.O. Box 10690
Fort Wayne, Indiana 46853

Attn: Ralph Turner
Ronald Hoke

Re: City of Fort Wayne, Indiana
Water Works Improvements
Filtration Plant Additions
Contract 77-W-2

Gentlemen:

This is in response to Shambaugh & Son, Inc. letter dated August 8, 1980 concerning Bulletin 10.

Item 1

Include a pressure reducing station for the pump seal water connection. Item 2b of the bulletin described the electrical work required.

Item 2

We felt the relocation of the lime/soda ash air intake was a trade-off.

Item 3

Please include in your quotation, air purge with solenoids and wiring for the 10 plug diverter valves. Sprout Waldron sketch indicates pressure regulator and gage are supplied on all diverter valves.

Very truly yours,

McNAMEE, PORTER AND SEELEY

By JPO
John P. Oyer

JPO:dr
cc: Tom Larder

Shambaugh & Son INC.
MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER
137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

RECEIVED
AUG 11 1980
McNAMEE, PORTER & SEELEY

August 8, 1980

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Attention: John Oyer

Reference: Ft. Wayne, Indiana Water Works Imprv., Filtration Plant Additions
"Bulletin #10"

Dear Mr. Oyer:

1. Re: Item 5A - Please verify if we are to use "sealing water connection" I have marked Item 5A. However, I don't see where you added wiring for solenoid valve under electrical work for this item. Isn't service water line about 60 psi, so won't a water pressure reducing valve be required to reduce pressure to 10-15 psi?

2. On revised pneumatic conveying drawings you sent showing relocation of L/SA air intake filter, do you want us to quote this work? Should sleeve at elev. 773.33 be capped, please advise.

3. See enclosed sketch 79-L1965-12 received for Sprout Waldron which indicates all the plug diverter valves (10 total) also should have purge air. Please advise if you want this also included in Bulletin #10, and if solenoid valves and wiring for them is to be added to the contract. Please reply by phone immediately.

Very truly yours,

SHAMBAUGH & SON, INC.

Ronald Hoke
Project Manager

RH:mk

cc: Tom Larder/McNamee, Porter & Seeley/Ft. Wayne, IN/with enclosure
Ralph Turner/Hagerman Construction/Ft. Wayne, IN
Duane Cryer/Shambaugh/Jobsite
James Harvey/Shambaugh/Ft. Wayne, IN/File

McNamee, Porter and Seeley

3131 SOUTH STATE STREET · ANN ARBOR, MICHIGAN 48104 · (313) 665-6000

Consulting Engineers

ACTIVE PARTNERS
J. R. HOLLAND S. H. HOLLAND, JR. R. W. PONCE
R. H. VAN EYCK S. C. WARTHINGE R. J. SANT
R. H. BACHTEAL R. F. BAIZER R. C. YOUNGS

RETIRED PARTNERS
R. L. McNAMEE H. S. HEPHERT J. C. SEELEY

September 9, 1980

Hagerman/Shambaugh, Joint Bidders
510 W. Washington Blvd.
P.O. Box 10690
Fort Wayne, Indiana 46801

Attn: Ralph Turner
Ronald Hoke

Re: City of Fort Wayne, Indiana
Water Works Improvements
Filtration Plant Additions
Contract 77-W-2

Gentlemen:

This is in response to your letter of August 18, 1980 concerning Bulletin No. 10.

1a) Sheets M-45 and M-54 are revised to reflect changes in the high pressure air header to 1" and to show new solenoid valves for air surge of the plug-diverter valves. Solenoids should be 1/2"-two way per specification section 44.

1b) Modify CP-3 per attached sketch showing control wiring for air purge solenoids.

1c) Air header changed to 1 inch diameter.

1d) Delete solenoid valves SV-311 and SV-315. Leave wire and conduit for spare.

2. Solenoids for air purge to RAL 3 and RAL 11 should be 1/2 inch diameter.

Very truly yours,

McNAMEE, PORTER AND SEELEY

BY JPO
John P. Oyer

JPO:dr
cc: Tom Larder

Shambaugh & Son INC.
MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER
137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

August 18, 1980

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Attention: John Oyer

Reference: Ft. Wayne, Indiana Water Works Imprv., Filtration Plant Additions
Shambaugh Job #6272, "Bulletin #10"

Dear Mr. Oyer:

We thank you for your letter dated August 12, 1980, however, I feel more information is needed until ours or the electrician's quote can be finalized. We request the following information and drawing revisions:

1. Drawing revisions please revise contract drawings M-45, and M-54 showing required purge air.

   (a) Please give line sizes and size of solenoid valves required for purge air.

   (b) For above give necessary control schematic how solenoids should be wired and how activated.

   (c) In talking to Sprout-Waldron, we feel ½" air main should be increased to 1", however, final line size should be determined by McNamee, Porter & Seeley. Please refer to sheet M-47. Sprout-Waldron stated adequate air to bag shakers was critical.

   (d) In reviewing I-5, I noticed solenoid valve SV-111 and SV-115 going to a solenoid operated vacuum breaker valve. To my knowledge, none is called for in conveying schedule or would be required. There are manual vacuum relief valves furnished on all the vacuum blowers.

2. Re: Air purging to rotary air locks RAL-3 and RAL-11 what size is solenoid valve to be?

We would appreciate your prompt reply and revised drawings or schematic so this

bulletin may be finalized.

Very truly yours,

SHAMBAUGH & SON, INC.

Ronald Hoke
Project Manager

RH:mk

cc: Duane Cryer/Shambaugh/Jobsite
Hagerman Construction/Ft. Wayne, IN
Kermit Jones/Central Electric/Ft. Wayne, IN
Tom Larder/McNamee, Porter & Seeley/Ft. Wayne, IN

Shambaugh & Son INC.
MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER
137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

Aee 19

August 25, 1980

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Attention: John Oyer

Reference: Ft. Wayne, Indiana Water Works Imprv., Filtration Plant Additions
Shambaugh Job #6272, "Spec. Item 19, Change Request #29

Dear Mr. Oyer:

This is to advise we have checked with the Henry Pratt Co. relative to the cylinders for valve item A-4 being used on air service since these valves have never been installed yet.

See enclosed memo from Henry Pratt Co. where they state the cylinders may be used on air as well as water service.

For not replacing these cylinders, we offer the owner a credit $350.00 a valve, for a total credit of $3,500.00.

Please check with owner and advise in writing by September 3, 1980 if the owner wants to accept this credit offered. The other required valve accessories for item A-4 will still be furnished.

Very truly yours,

SHAMBAUGH & SON, INC.

Ronald Hoke

Ronald Hoke
Project Manager

RH:mk

cc: Duane Cryer/Shambaugh/Jobsite
Tom Larder/McNamee, Porter & Seeley/Ft. Wayne, IN
James Harvey/Shambaugh/Ft. Wayne, IN/File

~~DRAFT~~ INTER-~~OFFICE CORRESPONDENCE~~

DATE August 30, 1979

FROM Keith Lehn

TO ~~Bill Erber~~ TO DWIGHT THOMPSON

SUBJECT F-6179-1,2,3
Shambaugh & Sons/H.P. Thompson

Bill,

Per your request, the following Instruction Manual information is attached:

3"-24" Rubber Seat Butterfly Valve

Model 2FII - Butterfly Valve

MDT-3 Operator - Cylinder Operation

MDT-4 Operator - Cylinder Operation

B-25309 AWWA Cyl for MDT Operators

~~The cylinders may be used on air service as well as water service.~~

I believe the above and the attached supplies all the requested information.

Keith J. Lehn

KJL/kad
Attachments

APPLICATION ENGRG.

AUG 3 1 1979

cc: JOB, TOM LARDER, JOAN OYER 8/25/80

Shambaugh & Son INC.
MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER
137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

RECEIVED
NOV 5 1980
By

November 3, 1980

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Attention: John Oyer

Reference: Ft. Wayne, Indiana Water Works Imprv., Filtration Plant Additions
Shambaugh Job #6272-X1, C.R. #38

Dear Mr. Oyer:

This is to confirm my phone conversation with you advising you we can offer you a credit of $475.00 for the deletion of the banding on the grating provided on the clarifier bridges as supplied by Walker Process Corporation.

We would appreciate your verbal approval within the next few days if the above is acceptable.

Very truly yours,

SHAMBAUGH & SON, INC.

Ronald Hoke
Project Manager

RH:mp

cc: Duane Cryer/Shambaugh/Jobsite
Tom Larder/McNamee, Porter & Seeley/Ft. Wayne, IN
James Harvey/Shambaugh/Ft. Wayne, IN/File

TITLE OF ORDINANCE CHANGE ORDER NO. 11 - CONTRACT #77-W-2 WATER WORKS IMPROVEMENTS, FILTRATION PLANT ADDITION

5090

DEPARTMENT REQUESTING ORDINANCE BOARD OF PUBLIC WORKS

S-80-12-15

SYNOPSIS OF ORDINANCE CHANGE ORDER NO. 11 - CONTRACT #77-W-2 FOR WATER WORKS IMPROVMENTS, FILTRATION PLANT ADDITIONS, HAGERMAN-SHAMBAUGH, JOINT BIDDERS AND CONTRACTORS FOR THE PROJECT. CORRECTIVE CHANGES ON THE FILTRATION PLANT INVOLVING THE FOLLOWING: INSTALLATION OF WEATHER PROOF LOUVER WITH PROPER EXHAUST AND SCREEN, PIPING EQUIPMENT, SOLENOID VALVES, RECONSTRUCTION OF UNIONS ON NEW RAW WATER CHLORINATORS, NEW CONNECTORS TO SLUDGE PUMP, NEW MANHOLE ON STORM SEWER NORTH OF FILTER BUILDING, REPAIR OF ROOF ON EAST FACE OF TOWER AND NECESSARY ELECTRICAL WORK FOR THE INSTALLATION OF ABOVE ITEMS.

CHANGE ORDER 11 ATTACHED

TOTAL REVISED CONTRACT AMOUNT INCLUDING THIS CHANGE ORDER $14,883,470.65

EFFECT OF PASSAGE ABOVE ITEMS NECESSARY TO FILTER OUT FOREIGN OBJECTS, REMODIFICATION OF CHLORINATION EQUIPMENT, ALL OF WHICH WILL AFFECT FUTURE MAINTENANCE & SERVICING OF EQUIPMENT.

EFFECT OF NON-PASSAGE FUTURE MAINTENANCE COSTS AS A RESULT OF DIRT AND SNOW FILTERING AND SEEPING INTO EQUIPMENT AND DAMAGING SAME.

MONEY INVOLVED (DIRECT COSTS, EXPENDITURES, SAVINGS) 29,047.00 FROM BOND ISSUE

ASSIGNED TO COMMITTEE City Utilities

EP